Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003
MERRIMACK COLLEGE
Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative
Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II Massachusetts State Police   (July 1, 21012-Present)
Drug Analysis Laboratory
➢ Responsible for the identification of substance and trafficking substances to
  determine violation of the Massachusetts drug laws
➢ Responsible for the identification of pharmaceuticals to determine violation of
  the Massachusetts drug laws
➢ Operate analytical instrumentation for the purpose of performing forensic
  drug analysis

Chemist II, I State Laboratory Institute   (September 2005-June 30, 2012)
Massachusetts Department of Public Health
Drug Analysis Laboratory
➢ Responsible for the identification of substance and pharmaceuticals to
  determine violation of the Massachusetts drug laws
➢ Operate analytical instrumentation for the purpose of performing forensic
  drug analysis
➢ Successfully completed an eight week training course in the analysis of drugs
  conducted by senior staff of the Department of Public Health, Drug Analysis
  Laboratory
➢ Appointed an assistant analyst for the Department of Public Health, Drug
  Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)
SENSOR TECHNOLOGIES, INC - Shrewsbury, MA
➢ Prepared chemistries used in making sensor beads
➢ Generated and examined sensors employing fluorescence spectroscopy
➢ Performed protein, dye and sugar assays using UV/VIS spectrophotometry
➢ Carried out titrations on ricin using fluorescence correlation spectroscopy
➢ Statistical analysis of experimental data

Intern (March 2003 – August 2003)
MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA
➢ Assisted in the gathering of case files to fulfill the National Institute of
  Justice's No Suspect Backlog Reduction Grant
➢ Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and
  Bomb/Arson Units